

wherein said received signal includes a control signal, a first section of one slot of said control signal is spread by a long period code assigned to said base station, and a second section of said one slot is spread by a first short period code having a spreading factor lower than a spreading factor of said long period code and a second short period code having a spreading factor equal to or lower than the spreading factor of said long period code, and

said matched filter despreads said control signal by using said first short period code.

--13. A mobile terminal according to claim 12, wherein said first short period code is a short period code common to base stations included in the mobile communication system, and said second short period code has a plurality of short period codes so as to correspond to classification of the long period code spreading said first section.

--14. A mobile terminal used in a code division multiple access mobile communication system, said mobile terminal comprising:

an RF unit for converting a received signal of a carrier frequency received from an antenna to a received signal of a baseband; and

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a matched filter for receiving input of said received signal of the baseband, despreading said received signal, and outputting a correlation value,

wherein said received signal includes a control signal, a first section of one slot of said control signal is spread by a long period code assigned to said base station, and a second section of said one slot is spread by a predetermined short period code, and

the number of taps of said matched filter is smaller than a spreading factor of said long period code of said control signal.--

REMARKS

Claim 1 has been canceled. New claims 12-14 have been added. Accordingly, claims 12-14 are currently pending in the application.

Examination is respectfully requested.

Respectfully submitted,


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